

New stations for *Dryopteris Goldiana* × *marginalis* in Vermont

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When Dr. Philip Dowell published his account of a hybrid between *Dryopteris Goldiana* and *D. marginalis*, in 1908,* the plant was known from one station only, near Newton, N. J., collected July 4, 1907. When I read his paper I called to mind a locality in the Green Mountains where both these species grew in great profusion, a narrow wooded ravine with steep rocky slopes rising about 400 feet for a distance of one or two miles on either side. Among the broken rocks at the base of the valley ran a small cold brook, with occasional small patches of alluvium and leafmold. It occurred to me that if these two species of *Dryopteris* hybridized, the hybrid should be found there; and the finding of it, of set purpose, more than two hundred miles from the only known station, would not only be a pleasure in itself, but a strong confirmation of its hybrid origin.

Accordingly, on July 16, 1909, I visited the station. The weather was fair in the morning; but during a drive of nine miles, a row of one mile, and a walk of three miles to an altitude of 1,250 feet, the clouds had gathered; and when I reached the station a gentle rain set in that promised to last through the afternoon. In spite of these unfavorable conditions, in less than an hour's search I found a plant of the hybrid, which afforded two good fronds for dried specimens and a fine rootstock for the garden.

But it turned out that I was not the first to collect the plant in Vermont. Mr. Harold G. Rugg, of Dartmouth College, in September, 1909, collected a plant of this hybrid along the "Gulf Road," Cavendish, Vt.; Miss Slosson veri-

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fied his determination from fronds sent her soon after. One or two years before, from the same station, Mr. Rugg had transplanted to his fernery a plant, supposed to be *D. Goldiana*, which turned out to be its hybrid with *D. marginalis*. The station in Cavendish Gulf was independently discovered the same summer (1909) by Mrs. Elizabeth B. Davenport, of Brattleboro. She was passing through on an automobile trip, without lens or collecting apparatus, and took no specimen; but her friend, Mrs. James Hartness, transferred to her garden in Springfield, Vt., a plant which Mr. Rugg examined in September, after receiving Miss Slosson's report, and recognized as the hybrid which he too had collected at the same station.

A third station in Vermont for this hybrid was found in Pittsford, August, 1910, by Miss Slosson herself.

For completeness of record, I cite here the other known stations for the plant, in addition to the original locality where Dr. Dowell discovered it in 1907:

Near Jamesville, N. Y., R. C. Benedict, June, 1908; *Torrey* 8: 284. 6 Ja 1909.

Waterloo, N. J., *Dowell* 5923, August 9, 1909; *Am. Fern Journal* 1: 14. Au 1910.

West Englewood, N. J., R. C. Benedict and Philip Dowell (6231), June 18, 1910.

MIDDLEBURY, VERMONT.

***Asplenium acrostichoides* Sw.**

E. J. WINSLOW

During the past summer I was led to observe with special care the forms of *Asplenium acrostichoides* Sw. as it occurs in northern Vermont. A form growing in moist, rich woods particularly impressed me as a marked variation from the ordinary conception of the species.